#### **RATIONALE**

Demand within the Construction industry across Oxfordshire is forecast to continue increasing in size and will require an additional 4,500 workers by 2035. The Skills Imperative 2035 estimates are for an average of 1.5% annual growth over this period, compared to the CITB's[11] estimate of 0.1% annual growth in the national Construction workforce over the same period. Digital skills and a need for wider availability of green skills training have been highlighted in our interactions as were the demand for coaching, leadership, and management training. A big impact for employers was the new skills arising from the green agenda and a necessity for those teaching to have up to date knowledge of the requirements in the industry. Employers also told us that the skills gap in the construction industry is not limited to traditional trades such as bricklaying and plumbing, but also digital skills, and sustainability skills.

LABOUR MARKET	SECTORAL CHALLENGES	SPECIFIC REPORTED SKILLS GAPS
4,660 enterprises – an increase of 11% since 2017.	The CITB has identified key skills gaps in the construction industry, including plastering, and electrical installation, as well as skills in BIM (Building Information Modelling).	BEMs- Building Energy Management Systems (energy efficiency) BIMs (Building Information Modelling)
The majority of these companies were	us well us skills in blivi (boliding information Modelling).	Installing, configurating, calibrating and troubleshooting a range of electronically connected  Digital Home Technologies
micro or small, with only 15 medium-sized employers.	The largest growth 2017-22 was in the number of companies involved in the Construction of Residential & Non-Residential Buildings, which increased by 20% (165).	Installers and engineers for other heating systems which provide an alternative to traditional gas/oil boilers  - these are due to be phased out by 2027:  Ground and air source heat pumps
An estimated need for an additional 4,500	There was also a rise in the number involved in Plumbing,	Thermal Imaging
workers and 13,600 replacement workers, totalling 18,100 in Oxfordshire by 2035.	Heat and Air Conditioning Installation, increasing by 17% (90) over the same period.	Retrofitting
totalling 10,100 III Oxfordsfille By 2000.	(70) over the same period.	Dual Fuel Smart Meter Installation  Digital skills such as the use of tablets on site, use of digital platforms for capturing work, ability to access and use on-line training packages.  CAD (Computer Aided Design)
		Coaching & mentoring skills

Fire and security systems for electricians

H&S-SSST SMST (Site Supervision Safety Training Schemes and Site Management Safety Training Scheme)

Numeracy and literacy, including language courses for overseas workers

TABLE 1 Recruitment Difficulties Reported by Employers		Higher Technical Occupations (Levels 4- 5)	Professional Occupations (Level 6+)
Bricklayers	Bricklayer (L2)		Onsite Construction
Cladding	Commercial Thermal Insulation Operative (L2) Roofer: Roof Sheeter & Cladder (L2) DG		
Plasterers and Dry Liners	Plasterer: Fibrous Plastering (L2) Plasterer: Solid Plastering (L2) MG		Onsite Construction
Scaffolders	Scaffolder (L2)		
Plumbers	Low Carbon Heating Technician (L3) DG  Plumbing & Domestic Heating Technician: Environmental Technologies (L3) MG  Plumbing & Domestic Heating Technician: Gas, Fossil Fuel Oil or Solid Fuel (L3) MG		Building Services Engineering for Construction
Air Conditioning/ Refrigeration	Refrigeration, Air Conditioning and Heat Pump Engineering Technician (L3) MG		Building Services Engineering for Construction
Smart Home Technician	Dual Fuel Smart Meter Installer (L2) <b>DG</b>	Smart Home Technician (L3) DG	
Electricians	Domestic Electrician (L3) MG		
Business Administration	Business Administrator (L3)		

# SECTOR SPECIFIC: CONSTRUCTION AND BUILT ENVIRONMENT

DESCRIPTION OF CHANGE AND EXPECTED BENEFIT	ACTIONS	COMMED	EMPLOYER CHAMPION	TIMESCALE	POTENTIAL FUNDING
Development Partnership (WDP)  Provide a forum and focus for employers to agin insights	Sectors, collaborating with CITB, Home Builders Federation and the Electrical Contractors Association. This will be a new	ERB ETPs Partners Employers	LIBC	Summer 2023- March 2025	LSIP LSIF AEB Bootcamp App 16-18 Emp
employers to skills.	Education & Training Providers to explore the market for T Levels in Construction in their catchment areas and consider implementation accordingly.	ETPs		By Sep 2024	
solutions.  T Levels in Construction (Onsite & Building Services) not	Education & Training Providers to use LSIF, Innovation Fund or Skills Bootcamps as alternative sources of funding to align delivery to the priority skills needs (pg. 9) via new programmes such as short, modular courses.	ETPs		Autumn 2023- March 2025	
	Education and Training Providers to work together collaboratively, through the LSIF to invest in up-to-date technologies, capital and spaces for Construction & Built Environment.	ETPs		Autumn 2023- March 2025	

Information Key PARTNERS

ERB

The Employer Representative Body- Thames Valley Chamber of Commerce (Thames Valley Skills Unit)

WDP

Workforce Development Partnerships

ETPs
Education & Training
Providers

LEP
Thames Valley
Berkshire LEP

PARTNERS
Including Trade Bodies, Careers Advisers,
JCP and other agencies

CEIAG
Careers Education, Information,
Advice & Guidance

**Information Key** FUNDING

LSIP Local Skills Improvement Plan Funding LSIF Local Skills Improvement Fund (funding)

Adult Education Budget (inc Innovation Fund and Loans)

Apprenticeship Funding

**16-18**16-18 year old education funding

**Emp**Employer funded, or time commitment

**Bootcamp** Skills Bootcamp

### **RATIONALE**

The Skills Imperative 2035 estimates an average of 1.5% annual growth in the Berkshire industry over the period 2023-27, which is significantly higher than the CITB's[7] projection of 0.1% annual growth in the national construction workforce over the same period. Berkshire employers told us of a need for greater knowledge of the sector in schools to show the many opportunities and career progression available. Digital skills and a need for wider availability of green skills training have been highlighted in our interactions as were the demand for coaching, leadership, and management training. The new skills requirement arising from the green agenda and a necessity for those teaching to have up to date knowledge of these new requirements in the industry is having a big impact. Employers also told us that the skills gap in the construction industry is not limited to traditional trades such as bricklaving and plumbing, but also digital skills, and sustainability skills.

#### LABOUR MARKET

5,945 enterprises, the majority of The CITB has identified key skills gaps in the these companies were micro or small, with only 30 mediumsized employers. An estimated need for an

additional 4.300 and 14.900 replacement workers in Berkshire by 2035.

#### SECTORAL CHALLENGES

construction industry, including plastering, and electrical installation, as well as skills in BIM (Building Information Modelling). Specifically, in Berkshire, there has been a 19% decline in the number of Carpenters & Joiner jobs: an 8% drop in electrician and electrical fitter jobs and a 9% decrease in construction operative jobs, along with a 7% fall in elementary construction occupations. Moreover, research by the ECA - the UK's leading trade association for the electrotechnical and engineering services industry - confirmed that, the Coaching & mentoring skills

electrician population within the area is 'very low',

with Berkshire ranking 35th out of 38 LSIP areas.

### SPECIFIC REPORTED SKILLS GAPS

BEMs-Building Energy Management Systems (energy efficiency)

BIMs (Building Information Modelling)

Installing, configurating, calibrating and troubleshooting a range of electronically connected Digital Home Technologies Installers and engineers for other heating systems which provide an alternative to traditional gas/oil boilers - these are due to be phased out by 2027.

Ground and air source heat pumps - installation and repair.

Thermal Imaging

Retrofitting

**Dual Fuel Smart Meter Installation** 

Digital skills such as the use of tablets on site, use of digital platforms for capturing work, ability to access and use on-line

training packages.

CAD (Computer Aided Design)

Fire and security systems for electricians

H&S- SSST SMST (Site Supervision Safety Training

Schemes and Site Management Safety Training Scheme)

Numeracy and literacy, including language courses for overseas workers

TABLE 1 Recruitment Difficulties Reported by Employers	Technical Occupations (Levels 2-3)	Higher Technical Occupations (Levels 4- 5)	Professional Occupations (Level 6+)
Bricklayers	Bricklayer (L2)		Onsite Construction
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Plumbers	Low Carbon Heating Technician (L3) DG		Building Services Engineering for Construction
	Plumbing & Domestic Heating Technician: Environmental Technologies (L3) MG Plumbing & Domestic Heating Technician: Gas, Fossil Fuel Oil or Solid Fuel (L3) MG		
Air Conditioning/ Refrigeration	Refrigeration, Air Conditioning and Heat Pump Engineering Technician (L3) MG		Building Services Engineering for Construction
Smart Home Technician	Dual Fuel Smart Meter Installer (L2) DG	Smart Home Technician (L3) DG	
Electricians	Domestic Electrician (L3) MG		
Business Administration	Business Administrator (L3)		

## SECTOR SPECIFIC: CONSTRUCTION AND BUILT ENVIRONMENT

DESCRIPTION OF CHANGE AND EXPECTED BENEFIT	ACTIONS	( ) (A/ NIED	EMPLOYER CHAMPION	TIMESCALE	POTENTIAL FUNDING
Provide a forum and focus for employers to gain insights into skills, and providers to gain insights into	Convene a WDP for Construction and Built Environment Sectors, collaborating with CITB, Home Builders Federation and the Electrical Contractors Association. This will be a new group, pan-Berkshire and Oxfordshire to maximise benefits.	ERB ETPs Partners Employers	IIRC:	March 2025	LSIP LSIF AEB Bootcamp App 16-18 Emp
Strengthen relationships between attending providers and employers to generate further partnership	Education & Training Providers to explore the market for T Levels in Construction in their catchment areas and consider implementation accordingly.	ETPs		By Sep 2024	
Construction (Onsite & Building Services) from September 2023. This leaves most of Berkshire without access to this	Education & Training Providers to use LSIF, Innovation Fund or Skills Bootcamps as alternative sources of funding to align delivery to the priority skills needs via new programmes such as short, modular courses.	ETPs		Autumn 2023- March 2025	
upskilling in new technology, retrofitting and digital.	Education and Training Providers to work together collaboratively, through the LSIF to invest in up-to-date technologies, capital and spaces for Construction & Built Environment.	ETPs		Autumn 2023- March 2025	

**Information Key** PARTNERS

**ERB** 

The Employer Representative Body- Thames Valley Chamber of Commerce (Thames Valley Skills Unit)

WDP

Workforce Development Partnerships

ETPs Education & Training

Providers

LEP
Thames Valley
Berkshire LEP

PARTNERS

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CEIAG

Careers Education, Information, Advice & Guidance

**Information Key** FUNDING

LSIP Local Skills Improvement Plan Funding LSIF Local Skills Improvement Fund (funding)

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